

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : **07-275665**

(43)Date of publication of application : **24.10.1995**

---

(51)Int.CI. **B01D 63/02**  
**B01D 65/02**  
**B01D 65/08**

---

(21)Application number : **06-073154**

(71)Applicant :

(22)Date of filing : **12.04.1994**

(72)Inventor :

**MITSUBISHI RAYON CO LTD**  
**UEHARA MASARU**  
**HOSHIIDE AKIRA**  
**TANAKAMARU NAOYA**

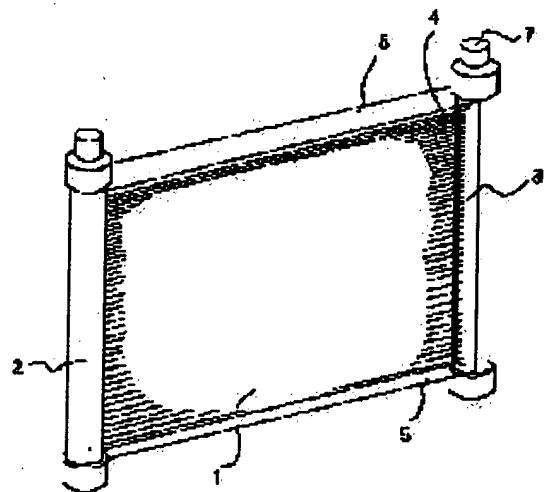
---

## (54) HOLLOW YARN MEMBRANE MODULE

### (57)Abstract:

**PURPOSE:** To provide a hollow yarn membrane module made hard to generate the accumulation of suspended matter between hollow yarn membranes even when adapted to the filtering of highly turbid water and efficiently subjected to scrubbing by arranging film sheets so as to hold a sheet like aggregate of hollow yarn membranes therebetween.

**CONSTITUTION:** In order to arrange hollow yarn membranes 4 in a sheet like form to fit them to the almost rectangular opening part of a structural material 2, a knitted fabric formed by using the hollow yarn membranes 4, for example, as warp yarns is used or several knitted fabrics are used in a laminated state. The film sheets 5 arranged to this hollow yarn membrane module 1 are provided for the purpose of guiding air bubbles supplied from an air diffusion pipe at the time of scrubbing along the sheet like aggregate of the hollow yarn membranes 4 and prevent air bubbles from scattering from the hollow yarn membrane module 1 even if air bubbles rise. The film sheets 5 are arranged so as to hold the sheet like aggregate of the hollow yarn membranes 4 and pref. have an area sufficient to cover the whole of the sheet like aggregate of the hollow yarn membranes 4.



Best Available Copy

**LEGAL STATUS**

[Date of request for examination] 05.04.2001

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2000 Japan Patent Office

**Best Available Copy**